

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IT 03/00476

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H02G9/04 H02G9/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H02G C21D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ^a	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 01, 14 January 2003 (2003-01-14) & JP 2002 261487 A (BOON KOGYO KK), 13 September 2002 (2002-09-13) abstract ---	1-8, 10-18, 28-37, 42
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 25, 12 April 2001 (2001-04-12) & JP 2001 231161 A (KAJIMA CORP), 24 August 2001 (2001-08-24) abstract ---	1-8, 10-20, 28-30, 42
X	DE 27 10 620 A (BBC BROWN BOVERI & CIE) 14 September 1978 (1978-09-14) the whole document ---	1-8, 10-12, 28-30, 42

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

11 May 2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 504 097 A (CARLSON ELMER T) 31 March 1970 (1970-03-31) column 5, line 1 -column 7, line 26; figures 1-7 -----	1-8, 10-12, 28-30, 42
A	WO 01/93394 A (MAIOLI PAOLO ;DONAZZI FABRIZIO (IT); PIRELLI CAVI E SISTEMI SPA (I) 6 December 2001 (2001-12-06) cited in the application abstract -----	1,42
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 10, 31 August 1998 (1998-08-31) & JP 10 117083 A (NIPPON STEEL CORP), 6 May 1998 (1998-05-06) cited in the application abstract -----	1,28,42
A	EP 0 606 884 A (NIPPON STEEL CORP) 20 July 1994 (1994-07-20) cited in the application abstract -----	1,28,42

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IT 03/00476

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
JP 2002261487	A	13-09-2002	NONE		
JP 2001231161	A	24-08-2001	JP	3370634 B2	27-01-2003
DE 2710620	A	14-09-1978	DE	2710620 A1	14-09-1978
US 3504097	A	31-03-1970	US	3614297 A	19-10-1971
			US	3644663 A	22-02-1972
			US	3770875 A	06-11-1973
WO 0193394	A	06-12-2001	AU	7567001 A	11-12-2001
			BR	0111321 A	10-06-2003
			CA	2410902 A1	06-12-2001
			CN	1439188 T	27-08-2003
			WO	0193394 A1	06-12-2001
			EP	1287598 A1	05-03-2003
			US	2003168230 A1	11-09-2003
JP 10117083 1	A		NONE		
EP 0606884	A	20-07-1994	JP	2679927 B2	19-11-1997
			JP	6212262 A	02-08-1994
			JP	2983128 B2	29-11-1999
			JP	7062436 A	07-03-1995
			JP	2983129 B2	29-11-1999
			JP	7062437 A	07-03-1995
			DE	69420058 D1	23-09-1999
			DE	69420058 T2	27-04-2000
			EP	0606884 A1	20-07-1994
			KR	182802 B1	01-04-1999
			US	5833768 A	10-11-1998